

OIPE

## RAW SEQUENCE LISTING

DATE: 08/21/2001

PATENT APPLICATION: US/09/925,301

TIME: 09:22:25

Input Set : D:\PA106SEQLIST.txt

Output Set: N:\CRF3\08162001\I925301.raw

3 <110> APPLICANT: Rosen et al.  
 5 <120> TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 7 <130> FILE REFERENCE: PA106  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/925,301  
 C--> 9 <141> CURRENT FILING DATE: 2001-08-10  
 9 <150> PRIOR APPLICATION NUMBER: PCT/US00/05882  
 10 <151> PRIOR FILING DATE: 2000-03-08  
 12 <150> PRIOR APPLICATION NUMBER: 60/124,270  
 13 <151> PRIOR FILING DATE: 1999-03-12  
 15 <160> NUMBER OF SEQ ID NOS: 1694  
 17 <170> SOFTWARE: PatentIn Ver. 2.0  
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 22 <213> ORGANISM: Homo sapiens  
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 33 atggctgaag gtgacagagc ctctggatag agaacgcatt gccacataca ctctcttctc 240  
 34 tcacgctgtg tcatccaacg ggaatgcagt tgaggatcca atggagattt tgatcacggg 300  
 35 aaccgatcag aatgacaaca agcccgaatt caccaggag gtctttaagg ggtctgtcat 360  
 36 ggaagggtgct cttccaggaa cctctgtaat ggaggtcaca gccacagacg cggacgatgg 420  
 37 atgtggaaca cctacaatgc cgccatcgct tacaccatcc tcagcccaag atccctgagc 480  
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 48 <222> LOCATION: (2662)  
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 57 gcttccccctg cctccccac ctcccagcag ttctgctgct tccgcctgga ccaagttatc 360  
 58 cacagcaacc ctgctggcat ccaacargct ctggcccagc ttagtarccg tcaarggagt 420  
 59 gtaactgcac caggggggtca tccaaggcac aagcctgggc ctcccgaagc ccctcagggc 480

ENTERED

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 62 tctgccgggg ttagtccctt tccccctaaa cgtcgggagc ggccctcccag aaaaccagag 660  
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 64 gagggcccag gccctcaggc agagtccaga gatacaggca cagaggccct gacccctcac 780  
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 68 agttcccctg atggaggact caagggggca gcagagggac cccccaagag gcctggaggc 1020  
 69 tcctcacccc tgaatgctgt tccttgtgag ggtccacctg gctctgaacc tcctaggaga 1080  
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 71 cctggcccca ttggcacaga acgatcacag crtacagacc gaggcacaga gcctggcccc 1200  
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 82 ctgccatccc cttcggtatt ttattctact cctctgcagc ctggtggcca aagtggcttt 1860  
 83 ctcccttcag gggtcctgc cagcagatgc ttctacccat ggtagactca cagctgcctg 1920  
 84 tggatgaact tggctccctg ccgccagcac cacctcctgc cccacctccc ctttctctgt 1980  
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 106 aagctccctt cttcctgcgt tgtccctcca gctscctctg ctgaccagt ttagcatcat 180  
 107 ggtctctgta aaggaggaat tctggagagt ccagtcatt attacagagc tagtactgaa 240  
 108 ggtgtgagttt ggagttgaag aggcaatgaa attgataact ggcacagaag ccaaatataa 300  
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## RAW SEQUENCE LISTING

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Input Set : D:\PA106SEQLIST.txt

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119 <223> OTHER INFORMATION: n equals a,t,g, or c
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122 <221> NAME/KEY: misc_feature
123 <222> LOCATION: (787)
124 <223> OTHER INFORMATION: n equals a,t,g, or c
126 <220> FEATURE:
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132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (807)
134 <223> OTHER INFORMATION: n equals a,t,g, or c
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139 ccctcagacc actctgtgga gaacagactg tcagggaacg tgggtggagg cagagagacc 180
140 agaaagattc caggaggaca gatgtggttg gacaagggtt gggagacact gaagccaagg 240
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148 cgccggcaag taggggcccgc ctgtctgttg acagaactca ctctctgtgc ctatgaagac 720
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169 <222> LOCATION: (870)

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170 &lt;223&gt; OTHER INFORMATION: n equals a,t,g, or c

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 175 agcaactcgg aggacggcga gtttgagatc caggcggaag atgacgcccg ggcccggaag 180  
 176 ctgggacctg gaagacccct gccacacctc cccacctcgg aatgcacctc ggatgtggag 240  
 177 cgggacaccc gggagatggt gcggtgcccg aacaagaaga agaagaagtc tggaggcttc 300  
 178 cagtccatgg gctgagcta cccggtgttc aaaggcatca tgaagaaggg gtacaagggtg 360  
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 182 ccctgcagac cctgaagtgc actaaggagc taggcaagtt cactggcctc aagactgccc 600  
 183 tgatcctggg tggagacagg atggaagacc agtttgagc cctgcacgaa aatcccga 660  
 184 taattattgc cagccccgga cggttggtgc atgtggctgt ggaaatragc ctgaagctgc 720  
 185 agagtgtgga atacgtrgtg ttcgatgaag ctgaccggtt ttttraaatg ggtttcgag 780  
 186 agcagctgca ggagatcatc gccgtctcc cggggggcca ccagacggtg ctgttctncc 840  
 187 ccacgntgcc caaactgctg gtggaatttn cccgggctgg cctcacggag cccgtgctca 900  
 188 t 901

190 &lt;210&gt; SEQ ID NO: 6

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193 &lt;213&gt; ORGANISM: Homo sapiens

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197 &lt;222&gt; LOCATION: (106)

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 207 gcaaactctt ctggaagggg acggcccca aacctactgg acccgtgagc tggccaacga 420  
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 211 ttttccccat gacaatgttg tagtgtcccc cacccccacc cccaggcct tgggtgcctc 660  
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217 &lt;212&gt; TYPE: DNA

218 &lt;213&gt; ORGANISM: Homo sapiens

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222 &lt;222&gt; LOCATION: (2652)

223 &lt;223&gt; OTHER INFORMATION: n equals a,t,g, or c

225 &lt;220&gt; FEATURE:

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Input Set : D:\PA106SEQLIST.txt

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232 <222> LOCATION: (2714)
233 <223> OTHER INFORMATION: n equals a,t,g, or c
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236 <221> NAME/KEY: misc_feature
237 <222> LOCATION: (2756)
238 <223> OTHER INFORMATION: n equals a,t,g, or c
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243 catgtgtggc agaggggctt cctaaccctt gcctgatagg tgcagaacgt cggctatcag 180
244 agcaagcatt gtggagcggg tmottatgcc aggotgccat gtgagatgat ccaagaccaa 240
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253 ggaaggatag aagcttgaag acctggggaa atcccaagat gagaacccta aaccctacct 780
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272 tcagagaaaa tttctgaata ctactagttt ccttttctgt gcctgtccct gtgctaggca 1920
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274 gtaaaactgt aagcacttgt atttactgtg gataagcgtt gtggatacaa agaaaggagc 2040
275 aagcataaaa aagtgtctct tcaaaaggat atagtactat gcagacacaa ggaattgttt 2100
276 gataaatgaa taaattatat gtatatttga ggccaatttg tgtttgctgc tctggttaatt 2160
277 ttgagtaaaa atgcagtatt ccaggatatca gaaacgaaaa cacatggaaa ctgcttttaa 2220

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Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

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PATENT APPLICATION: US/09/925,301

TIME: 09:22:26

Input Set : D:\PA106SEQLIST.txt

Output Set: N:\CRF3\08162001\I925301.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
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L:848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/925,301

DATE: 08/21/2001

TIME: 09:22:26

Input Set : D:\PA106SEQLIST.txt

Output Set: N:\CRF3\08162001\I925301.raw

L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
 L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
 L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
 L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34